Translation





PCT

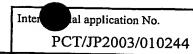
INTERNATIONAL PRELIMINARY EXAMINATION REPORT ED

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference						
03135(PCT)	Prelir	Freinfinary Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day/month/y					
PCT/JP2003/010244	12 August 2003 (12.08.2003	3) 19 August 2002 (19.08.2002)				
International Patent Classification (IPC) or no G11B 7/007, 7/0045, 7/24	ntional classification and IPC					
Applicant NEC CORPORATION						
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 						
2. This REPORT consists of a total of sheets, including this cover sheet.						
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total of 4 sheets.						
3. This report contains indications relating to the following items:						
I Basis of the report						
II Priority	II Priority					
III Non-establishment of	opinion with regard to novelty, inventi	ve step and industrial applicability				
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;						
VI Certain documents cited						
VII Certain defects in the international application						
VIII Certain observations on the international application						
Date of submission of the demand	Date of complet	Date of completion of this report				
12 August 2003 (12.08.20)03)	12 May 2004 (12.05.2004)				
Name and mailing address of the IPEA/JP	Authorized offic	er				
Facsimile No.	Telephone No.	Telephone No.				

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1. With	ı regard t	to the elements of the international application:*	
	the inte	ernational application as originally filed	
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í	pages	1-20	
	pages	1-20	, as originally filed
	pages	, filed with the letter	, filed with the demand
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	pages		
	pages	2-7, 9-15	, as originally filed
	pages	, as amended (to	gether with any statement under Article 19
	pages	1, 8, 16, 17 , filed with the letter	, filed with the demand
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	pages	1-16	, as originally filed
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,		ence listing part of the description:	
	pages pages		, as originally filed
	pages .		filed with the demand
		o the language, all the elements marked above were available or furnished all application was filed, unless otherwise indicated under this item.	of
These	the lang the lang the lang or 55.3) regard ninary ex	ts were available or furnished to this Authority in the following language guage of a translation furnished for the purposes of international search (und guage of publication of the international application (under Rule 48.3(b)). guage of the translation furnished for the purposes of international prelim). to any nucleotide and/or amino acid sequence disclosed in the internation was carried out on the basis of the sequence listing:	which is: ler Rule 23.1(b)). inary examination (under Rule 55.2 and/
H	CONTAINS	ed in the international application in written form.	
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H		ed subsequently to this Authority in written form.	
	The sta	ed subsequently to this Authority in computer readable form. atement that the subsequently furnished written sequence listing does ional application as filed has been furnished.	not go beyond the disclosure in the
		tement that the information recorded in computer readable form is iden	
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ا ليا ۴	1 1	endments have resulted in the cancellation of:	
[H "	he description, pages	
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l		he drawings, sheets/fig	
	This repo beyond th	ort has been established as if (some of) the amendments had not been made the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).*	e, since they have been considered to go
* Replac	ement sh	neets which have been furnished to the receiving Office in response to an in as "originally filed" and are not annexed to this report since they do	
* Any rej	placemer	nt sheet containing such amendments must be referred to under item 1 and a	•
-		and of the state o	innexed to this report.

citations and explanations supp 1. Statement	- such statement		
Novelty (N)	Claims	1-17	YES
	Claims		NO
Inventive step (IS)	Claims	3, 9, 12-17	YES
	Claims	1-2, 4-8, 10-11	NO
Industrial applicability (IA)	Claims	1-17	YES
	Claims		NO

2. Citations and explanations

Document 1: JP, 2002-157747, A (Matsushita Electric Industrial Co., Ltd.), 31 May, 2002 (31.05.02)

Document 2: US, 2001-0026515, A1 (Mochizuki et al.), 4 October, 2001 (04:10.01)

Document 3: JP, 10-91967, A (Hitachi, Ltd.), 10 April, 1998 (10.04.98)

Document 4: JP, 10-134357, A (Victor Company of Japan, Ltd.), 22 May, 1998 (22.05.98)

The subject matters of claims 1, 2, 8, 10 and 11 do not appear to involve an inventive step in view of documents 1 and 2. Document 1 (paragraphs 0041-0056) discloses an optical disk having a land track and a groove track, wherein a plurality of address areas provided along a track at intervals of 300 or more times the length of the channel bit have a fixed length of 36 or less times the length of the channel bit circumferentially with respect to the track and have a fixed length of one track (3 or less tracks) radially. A person skilled in the art could have easily applied the technique of providing regions formed with pre-pits so as not to be radially adjacent to each other as shown in document 2 (Figs. 2 and 11) to the optical disk of document 1.

The subject matter of claim 4 does not appear to involve an inventive step in view of documents 1-4. Document 3 (paragraphs 0047 and 0048, Figs. 1 and 5) and document 4 (Fig. 1) describe that a plurality of zones divided radially are provided in a disk and that wobbles within each zone are aligned to the same phase.

The subject matters of claims 5-7 do not appear to involve an inventive step in view of documents 1 and 2. Forming pre-pits by changing the shape of the side walls of grooves, discontinuing the grooves or providing embossment on lands is a commonly used technique.

The subject matters of claims 3, 9 and 12-17 are neither disclosed in any of the documents nor obvious to a person skilled in the art.